



Rev. 03/05/04

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Quanxi Jia
Serial No.: 10/615,645
Filed : 7/8/2003
For : METHOD FOR PREPARATION OF SEMICONDUCTIVE FILMS

Docket No.: S-97,819

Examiner: Shouxiang Hu

Art Unit: 2811

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.56, 1.97, AND 1.98

Sir:

The documents listed below are identified in compliance with the duty of disclosure defined in 37 CFR 1.56. Copies are attached as appropriate.

1. Mori et al., "Photoelectric Element, Picture-Reading Device Including the Same, and Process for Production Thereof," US Patent 4,375,644, Issued Mar. 1, 1983.
2. Aramoto et al., "Method of Manufacturing Solar Cell," US Patent 5,538,903, Issued July 23, 1996.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the:
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FACSIMILE

transmitted by facsimile to the
United States Patent and Trademark Office.

Date

July 1, 2006

Signature

Bruce H. Cottrell
Bruce H. Cottrell
(type or print name of person certifying)

3. Negamie et al., "Precursor for Semiconductor Thin Films and Method for Producing Semiconductor Thin Films," US Patent 5,728,231, Issued March 17, 1998.
4. Kondo et al., "Thin-Film Solar Cell," US Patent 5,828,117, Issued October 27, 1998.
5. Bodegard et al., "Method of Manufacturing Thin-Film Solar Cells," US Patent 5,994,163, Issued November 30, 1999.
6. Li et al., "Polymer-Assisted Aqueous Deposition of Metal Oxide Films," US Patent 6,589,457, Issued July 8, 2003.

This Information Disclosure Statement is not to be construed as a representation that a search has been made or that additional matter material to the examination of this application does not exist. Applicant does not believe that any of these citations constitutes prior art under 35 U.S.C. 102.

It is requested that the above citations be made of record in the prosecution of this application.

Respectfully submitted,

Date: July 11, 2006

Bruce H. Cottrell
Signature of Attorney

Reg. No. 30,620
Phone (505) 667-9168

Bruce H. Cottrell
Los Alamos National Laboratory
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Los Alamos, New Mexico 87545



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Examiner Initials	Cite No.	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Examiner Signature				Date Considered		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).
²See [Title 37 CFR 1.136\(b\)](#) for definition.

²See Kind Codes of USPTO Patent Documents at www.uspto.gov.
³For Office action, see the last page of the AIA letter.

³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor is replaced by the appropriate symbol as indicated on the document under WIPO's Patent Classification.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.
A document is to place a check mark, e.g. if English Language Translation is attached.

⁶Applicant is to place a check mark here if English language Translation is attached.



Rev. 02/02/06

1FJ

**TRANSMITTAL
For FY 2006**

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT: \$180

Complete if Known	
Application Number:	10/615,645
Filing Date:	7/8/2003
First Named Inventor:	Quanxi Jia
Examiner Name:	Shouxiang Hu
Group/Art Unit:	2811
Attorney Docket No.:	S-97,819

METHOD OF PAYMENT (check all that apply)

1. The commissioner is hereby authorized to charge indicated fees and credit any over payments to:
 Deposit Account Number: 12-2150
 Deposit Account Name: Los Alamos National Laboratory
 Charge Any Additional Fee Required Under
 37 C.F.R. 1.16 and 1.17

FEE CALCULATION**1. COMBINED FILING FEE**

Large Entity	Small Entity	Fee	Fee Description	Fee Paid
1001	\$300		Basic Filing fee	\$
1004	\$300		Reissue Filing fee	\$
1111	\$500		Search Fee	\$
1311	\$200		Examination Fee	\$
1005	\$200		Provisional Filing Fee	
1085	\$250		Provisional Size Fee (for each additional 50 sheets that exceeds 100 sheets)	

SUBTOTAL (1) \$0**2. EXTRA CLAIM FEES/APPLICATION SIZE FEE**

	Extra Claims	Fee from Below	Fee Paid
Total Claims	-20** =	X	= \$
Independent	-3 ** =	X	= \$
Claims			
Multiple Dependent	X 180		= \$

** or number previously paid, if greater; For Reissues, see below

Large Entity	Fee	Fee Description
	1202 \$50	Claims in excess of 20
	1201 \$200	Independent claims in excess of 3
	1203 \$360	Multiple dependent claim, if not paid.
	1204 \$200	Reissue independent claims in excess of 3 over original patent
	1205 \$50	Reissue claims in excess of 20 over original patent Total Claims Fee \$ 0

APPLICATION SIZE FEE

1081 \$250	For each additional 50 sheets that exceed 100 sheets, including specification and drawings
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SUBTOTAL (2) \$ 0(Include total of Claims Fees and
Size Fee here)**3. ADDITIONAL FEES**

Large Entity	Fee Code (\$)	Fee Description	Fee Paid
	1051 \$130	Surcharge – late filing fee or oath	
	1052 \$50	Surcharge – late provisional filing fee or cover sheet	
	1812 \$2520	For filing a request for reexamination	
	1251 \$120	Extension for reply within first month	
	1252 \$450	Extension for reply within second month	
	1253 \$1020	Extension for reply within third month	
	1254 \$1590	Extension for reply within fourth month	
	1255 \$2160	Extension for reply within fifth month	
	1401 \$500	Notice of Appeal	
	1402 \$500	Filing a brief in support of an appeal	
	1403 \$1000	Request for oral hearing	
	1452 \$500	Petition to revive – unavoidable	
	1814 \$110	Terminal Disclaimer	
	1453 \$1500	Petition to revive – unintentional	
	1460 \$130	Petitions to the Director	
	1806 \$180	Submission of Information Disclosure Statement	180
	1809 \$790	Filing a submission after final rejection (37 CFR 1.129 (a))	
	1810 \$790	For each additional invention to be examined (37 CFR 1.129(b))	
	1811 \$100	Certificate of Correction	
	1504 \$300	Publication fee for early, voluntary, or normal publication/Republication fee	
	1801 \$790	Request for Continued Examination (RCE)	
		Other fee (specify)	

SUBTOTAL (3) \$180

Reduced by Basic Filing Fee Paid

SUBTOTAL FROM 1 \$0**SUBTOTAL FROM 2 \$0****SUBTOTAL FROM 3 \$180****TOTAL AMOUNT OF PAYMENT \$180**

(Enter total amount at top of page)

SUBMITTED BY

Complete (if applicable)

Printed Name:	Bruce H. Cottrell	Reg. No.	30,620
Signature:	<i>Bruce H. Cottrell</i>	Date: <i>July 11, 2006</i>	Telephone: (505) 667-9168